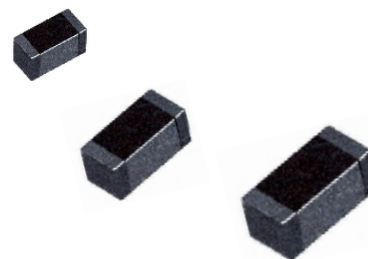


MULTILAYER CHIP INDUCTORS

MLI SERIES

FEATURES

- Multilayer ceramic structure ensures outstanding reliability for today's high frequency applications
- Monolithic inorganic construction
- Excellent Q and SRF characteristics
- Operating temperature range: -25°C to +105°C
- Standard tolerances: ±0.3nH, 5%, 10%, 20%



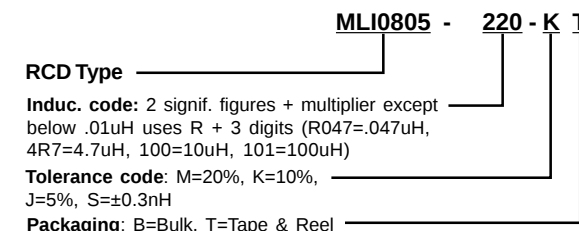
MLI 0603						MLI 0805				MLI 1008					MLI 1206				
Ind. (µH)	Test Freq. (MHz)	Q Min.	SRF Min. (MHz)	DCR Max. (Ohms)	Rated Current (mA)	Q Min.	SRF Min. (MHz)	DCR Max. (Ohms)	Rated Current (mA)	Test Freq. (MHz)	Q Min.	SRF Min. (MHz)	DCR Max. (Ohms)	Rated Current (mA)	Test Freq. (MHz)	Q Min.	SRF Min. (MHz)	DCR Max. (Ohms)	Rated Current (mA)
0.047	50	10	260	0.30	50	15	320	0.20	300	-	-	-	-	-	50	20	320	0.15	300
0.068	50	10	250	0.30	50	15	280	0.20	300	-	-	-	-	-	50	20	280	0.25	300
0.082	50	10	245	0.30	50	15	255	0.20	300	-	-	-	-	-	-	-	-	-	-
0.10	25	15	240	0.50	50	20	235	0.30	250	25.2	30	680	0.21	570	25	20	235	0.25	250
0.12	25	15	205	0.50	50	20	220	0.30	250	25.2	30	650	0.22	550	25	20	220	0.30	250
0.15	25	15	180	0.60	50	20	200	0.40	250	25.2	30	530	0.25	500	25	20	200	0.30	250
0.18	25	15	165	0.60	50	20	185	0.40	250	25.2	30	520	0.29	460	25	20	185	0.40	250
0.22	25	15	150	0.80	50	20	170	0.50	250	25.2	30	390	0.30	430	25	20	170	0.40	250
0.27	25	15	136	0.80	50	20	150	0.50	250	25.2	30	330	0.33	420	25	20	150	0.50	250
0.33	25	15	125	0.85	35	20	145	0.55	250	25.2	30	310	0.39	400	25	20	145	0.50	250
0.39	25	15	110	1.0	35	25	135	0.65	200	25.2	30	290	0.40	375	25	25	135	0.60	250
0.47	25	15	105	1.35	35	25	125	0.65	200	25.2	30	260	0.44	350	25	25	125	0.60	200
0.56	25	15	95	1.55	35	25	115	0.75	150	25.2	30	230	0.49	330	25	25	115	0.70	200
0.68	25	15	80	1.70	35	25	105	0.80	150	25.2	30	200	0.52	320	25	25	105	0.80	150
0.82	25	15	75	2.10	35	25	100	1.00	150	25.2	30	180	0.61	290	25	25	100	0.90	150
1.0	10	30	70	0.60	25	45	75	0.40	50	7.96	30	150	0.75	250	10	45	75	0.40	100
1.2	10	30	60	0.80	25	45	65	0.50	50	7.96	30	140	0.87	240	10	45	65	0.50	100
1.5	10	30	55	0.80	25	45	60	0.50	50	7.96	30	130	1.00	230	10	45	60	0.50	50
1.8	10	30	50	0.95	25	45	55	0.60	50	7.96	30	120	1.10	220	10	45	55	0.50	50
2.2	10	30	45	1.15	15	45	50	0.65	30	7.96	30	105	1.30	210	10	45	50	0.60	50
2.7	10	30	40	1.35	15	45	45	0.75	30	7.96	30	90	1.40	200	10	45	45	0.60	50
3.3	10	30	38	1.55	15	45	41	0.80	30	7.96	30	80	1.60	190	10	45	41	0.70	50
3.9	10	30	36	1.70	15	45	38	0.90	30	7.96	30	75	1.70	185	10	45	38	0.80	50
4.7	10	30	33	2.10	15	45	35	1.00	30	7.96	30	70	1.90	180	10	45	35	0.90	50
5.6	4.0	30	22	1.55	15	45	32	0.90	15	7.96	30	60	2.20	170	4.0	50	32	0.70	25
6.8	4.0	30	20	1.70	15	45	29	1.00	15	7.96	30	55	2.40	165	4.0	50	29	0.80	25
8.2	4.0	30	18	2.10	15	45	26	1.10	15	7.96	30	50	2.60	160	4.0	50	26	0.90	25
10	2.0	30	17	2.55	15	45	24	1.15	15	2.52	25	30	2.20	155	2.0	50	24	1.0	25
12	2.0	-	-	-	-	45	22	1.25	15	2.52	25	27	2.50	150	2.0	50	22	1.05	15
15	1.0	-	-	-	-	30	19	0.80	5	2.52	25	23	2.80	140	1.0	35	19	0.70	5.0
18	1.0	-	-	-	-	30	18	0.90	5	2.52	25	22	3.20	130	1.0	35	18	0.70	5.0
22	1.0	-	-	-	-	30	16	1.10	5	2.52	25	21	3.60	125	1.0	35	16	0.90	5.0
27	1.0	-	-	-	-	30	14	1.15	5	2.52	25	19	4.30	115	1.0	35	14	0.90	5.0
33	0.4	-	-	-	-	30	13	1.25	5	2.52	25	17	4.70	110	0.4	35	13	1.05	5.0

DIMENSIONS

Type MLI	L (Length)	W (Width)	T (Thickness)	t (Term. Thickness)
0603	.063±.006 [1.6±.15]	.031±.006 [0.8±.15]	.031±.006 [0.8±.15]	.011±.007 [0.3±.2]
0805	.079±.007 [2.0±.2]	.049±.007 [1.25±.2]	.033±.007* [0.85±.2]	.019±.01 [0.5±.3]
1008	.098±.007 [2.5±.2]	.079±.007 [2.0±.2]	.063±.01 [1.6±.3]	.019±.01 [0.5±.3]
1206	.126±.007 [3.2±.2]	.063±.007 [1.6±.2]	.043±.01 [1.1±.3]	.019±.01 [.5±.3]

* Thickness of .049±.007[1.25±.18] is RCD option unless requested otherwise

P/N DESIGNATION:



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FAxxx specifications subject to change without notice